Attorney Docket No.: VACCINE-07083

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of David R. Milich and Jean-Noel Billaud for Rodent Hepatitis B Viros Core Proteins As Vaccine Platforms And Methods Of Use Thereof.

CERTIFICATION UNDER 37 C.F.R. 8 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the U.S. Postal Service on this date July 30, 2003 in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EV 329 476 695 US addressed to: MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Type Of Application

This new application is for a(n)

Original (nonprovisional)

Papers Enclosed That Are Required For Filing Date Under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153

(Design) Application

Pages of Specification

Pages of Claims

Page of Abstract

42 Sheets of Formal Drawings

Declaration

Enclosed

Unevented

Inventorship Statement

The inventorship for all the claims in this application is:

the same Language

English

Assignment

An assignment of the invention to Vaccine Research Institute of San Diego is attached.

Form PTO-1595 will follow.

Fee Calculation (37 C.F.R. § 1.16)

Regular application

CLAIMS AS FILED

Number Filed	Number Extra	Rate	Basic Fee - \$750.00 (37 C.F.R. § 1.16(a))
Total Claims (37 C.F.R. § 1.16(c))	35 - 20 =	15 × \$18.00 =	\$270.00
Independent Claims (37 C.F.R. § 1.16(b))	8 - 3 =	5 × \$84.00 =	\$420.00
Multiple Dependent Claim(s), if any (37 C.F.R. § 1.16(d))	+ \$280.00 =		\$0.00
	Filing Fee Calculation		\$1440.00

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Small Entity Statement(s)

Verified Statement(s) that this is a filing by a small entity under 37 C.F.R. §§ 1.9 and 1.27.

Filing Fee Calculation (50% of above)

\$720.00

PATENT
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Fee Payment Being Made At This Time Enclosed \$720.00 × basic filing fee \$720.00 Total Fees Enclosed Method of Payment of Fees 10. Check in the amount of \$720.00 Authorization To Charge Additional Fees and Credit Overpayment 11. The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No.: 08-1290. An originally executed duplicate of this transmittal is enclosed for this purpose. Power of Attorney by Assignee 12. Enclosed 13. Return Receipt Postcard Enclosed Dated: July 30, 2003 Christine A. Lekutis Registration No.: 51,934 Maha A. Hamdan Please direct future inquiries to: Registration No.: 43,655 MEDLEN & CARROLL, LLP 101 Howard Street, Suite 350 San Francisco, California 94105 415/904-6500

Statement Where No Further Pages Added

This transmittal ends with this page.